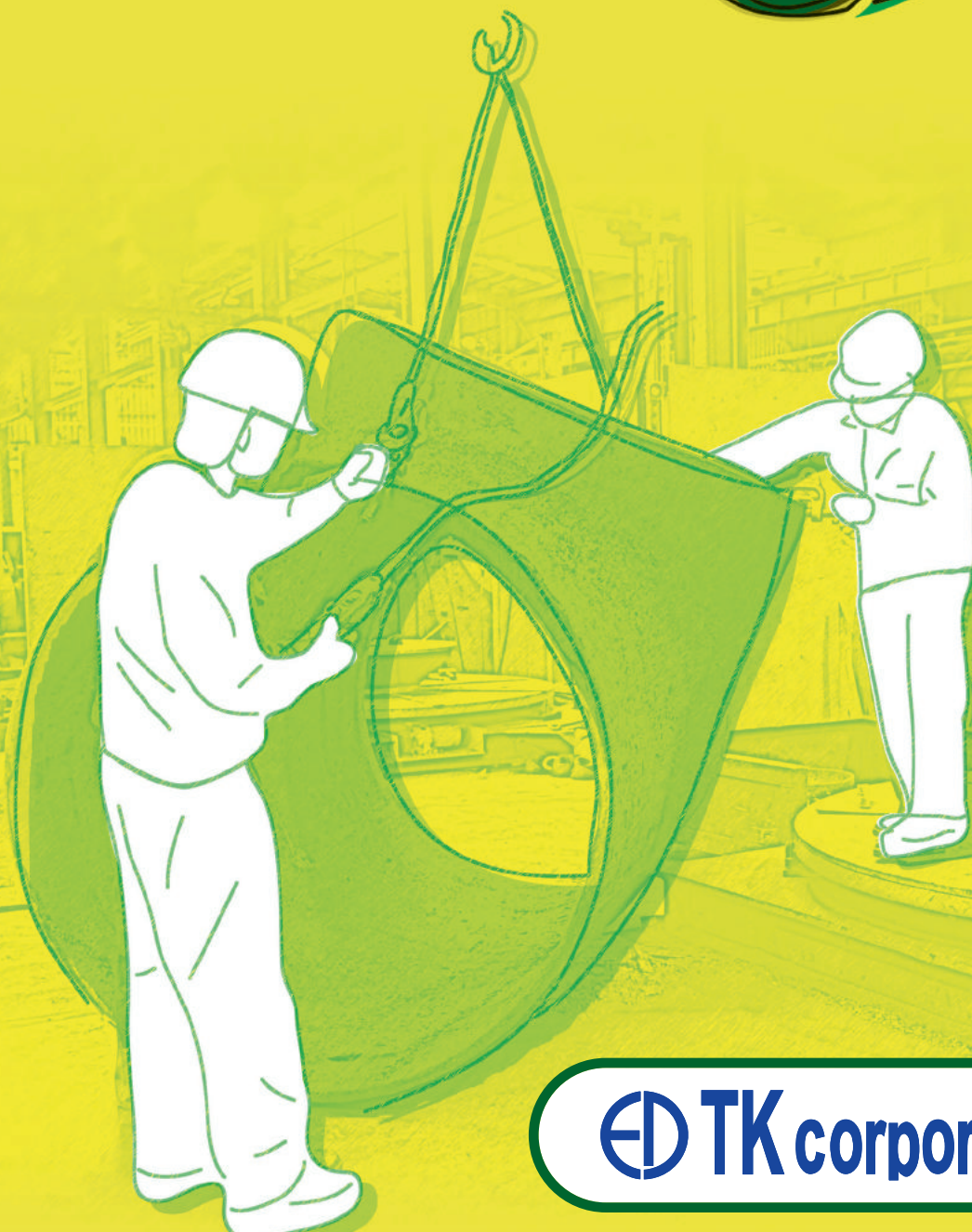
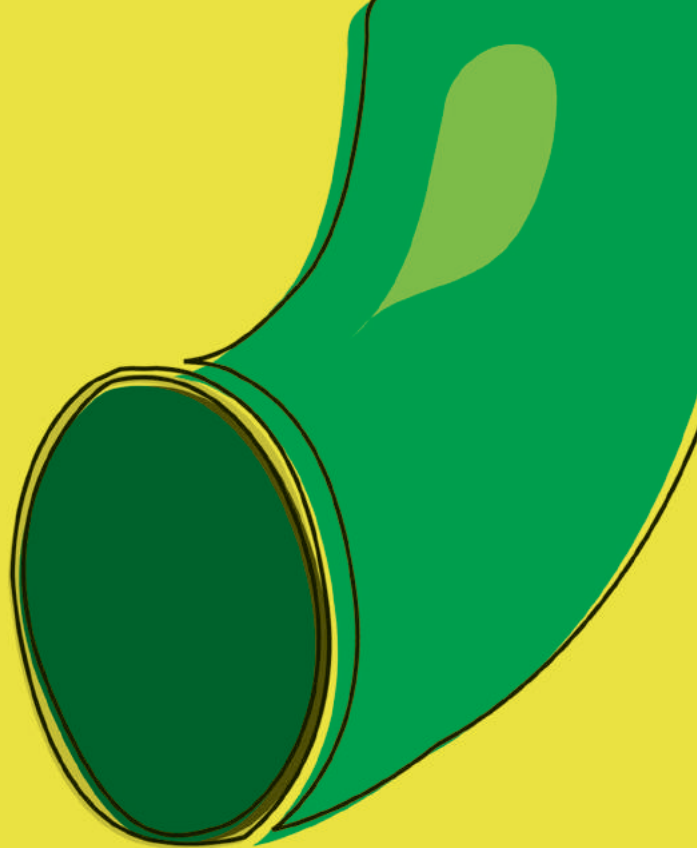


BUTT WELD PIPE FITTINGS



 **TK corporation**

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
Интернет: www.tisys.ru www.tisys.kz www.tisys.by www.tesec.ru www.ти-системс.рф
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As the World's largest manufacturer of
Industrial Fittings positioned before a footprint.

HISTORY

TK Present

2000
~

- 2013 10 3rd Factory completion (HwaJeon Industrial Complex, Busan)
- 2010 07 Acquired ISO 14001: Certificate
- 01 Acquired Certification of Leading Company of Industry by Busan
- 2010 10 2nd Factory completion (HwaJeon Industrial Complex, Busan)
- 2009 10 2009 Busan City selected as Excellent Enterprise
- 06 Acquired OHSAS 18001 Certificate / Acquired Korean KOSDAQ Grand prize by Ministry of Knowledge Economy Quality Management Excellence Award by Busan
- 03 Achievement Award by Korea Association of Machine Industry (KOAMI)
- 2008 12 Awarded Korean World-class Product of Fittings for plants (Ministry of Knowledge Economy)
- 11 Selected as Asia's 200 Best Under A Billion by Forbes
- 2007 12 Acquired Certificate of Leading Company of Industry by Busan
- 11 Selected as Asia's 200 Best Under A Billion by Forbes
- 2003 03 Inauguration of CEO, S.D.Yoon
- 2002 10 Awarded Best Company of Component & Material by Ministry of Commerce, Industry and Energy
- 06 Acquired Certificate of JIS(Japanese Industrial Standards) (JIS B 2311, 2312, 2313)
- 2001 05 Moved Factory to Noksan Industrial, Complex Busan (Head office & 1st factory)
- 03 Company name change to TK Corporation
- 2000 11 Awarded Grand Prize for Industrial Peace with Labor Union by Busan
- 10 Awarded Excellent Company of New Labor-Relationship by Ministry of Labor

1990
~

1999

Growth

- 1998 11 Acquired Certificate of API MONOGRAM LICENSE (6A-0481)
- 10 Acquired ISO 9001 Certificate
- 1997 05 Acquired ISO 9002 Certificate
- 06 Acquired Korea Electric Power Corporate (KEPIC) certificate (MN-079)
- 07 Awarded Excellent Company of Labor-Relationship by Ministry of Labor
- 1994 03 Listed in KOSDAQ (Korea Securities Dealers Automated Quotations) (023160 KS EQUITY)
- 1992 09 Acquired Certificate of ASME NPT (American Society of Mechanical Engineers) (N-2870)
- 1991 07 Quality Management Leading Company by Industrial Advancement Administration
- 01 Established R&D Department

1980
~

1989

Upswing

- 1985 08 Moved to Shinpyeong, Janglim Industrial Complex
- 1984 11 Company name & Trade Mark registration to Patent Office / Awarded Prime Ministry Prize in Quality Management
- 10 Awarded Busan Mayor Prize in Quality Management
- 03 Certified by BV
- 1981 10 Certified by Korea Industrial Standard (KS)
- 03 Certified by KR

1965
~

1977

Founding

- 1977 06 Certified by DNV
- 1975 02 Company name change to Taekwang Bend Industry Company
- 1973 07 Moved to Sasang Industrial Complex
- 1965 05 Established "Taekwang Bend Co., Ltd." as the first Butt Weld Pipe Fitting Manufacturer in Korea

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CEO's greeting



TK Corporation CEO | Sung Duk Yoon

Dear valuable customer,

TK was established in 1965 and started as a Butt Weld Pipe Fittings manufacturing company from the beginning. TK has grown up rapidly to be a global fitting supplier based on strong financial structure, large volume of inventory/stock, biggest manufacturing facilities, accumulated technologies and experiences.

We have supplied our products to the world wide major customers' comprehensive industrial area such as Oil & Gas, Chemical & Petrochemical, Water treatment, Nuclear & Power Plant, Offshore platform & Shipbuilding. Our products are applicable for any kinds of severe operating condition such as high pressure and high temperature or cryogenic condition.

I am always doing my best to bring up TK to be the world's leading company through drastic investment and R & D activities in the belief that the best quality is the solid bastion of business survival and customers satisfaction.

In the future, TK will provide more value to the customers based on my customer-first policy & quality-first policy.

Sincerely yours,

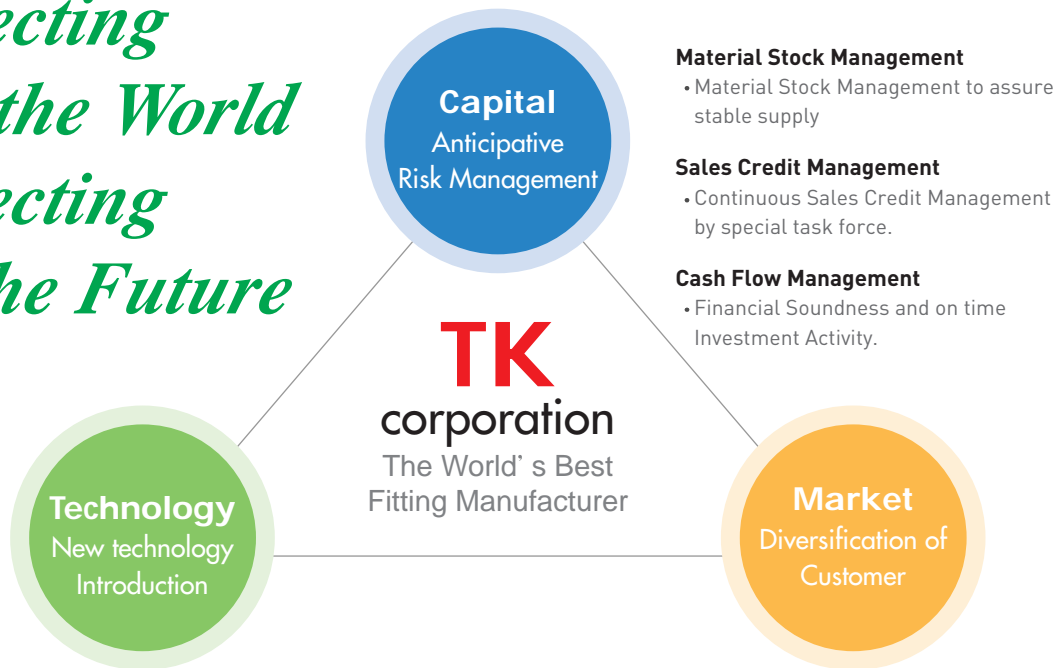
Sung Duk Yoon
President & CEO



VISION

For the World Leading Company
with the best technology and quality

*Connecting
the World
Connecting
the Future*



Material Stock Management

- Material Stock Management to assure stable supply

Sales Credit Management

- Continuous Sales Credit Management by special task force.

Cash Flow Management

- Financial Soundness and on time Investment Activity.

Expansion of market to

Power generation and desalination plant

- 14%(2010)
- 30%(2015)

The pipe extrude machine operation

- Seamless Pipe(18"~36")
- Supply raw material (seamless pipe)

Special Material, Special work classification product development

- Reinforcing leadership in the market.

Developing New Customers

- Overseas 138 companies & Domestic 70 companies (2009)
- Overseas 168 companies & Domestic 88 companies (2010)

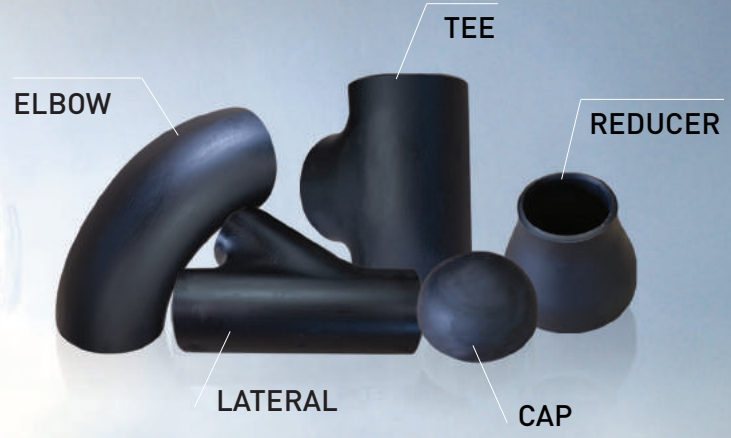
Customer subdivision by region and application

- 7 overseas sales team for global customers.
- Overseas sales office in Houston, USA.
- Global Network of dealers and master distributors.

Perfect Quality & Delivery Management

- Operation of TPS system and Internal ERP & POP system





TK Corporation MAIN PRODUCTS

Butt Weld Pipe Fittings

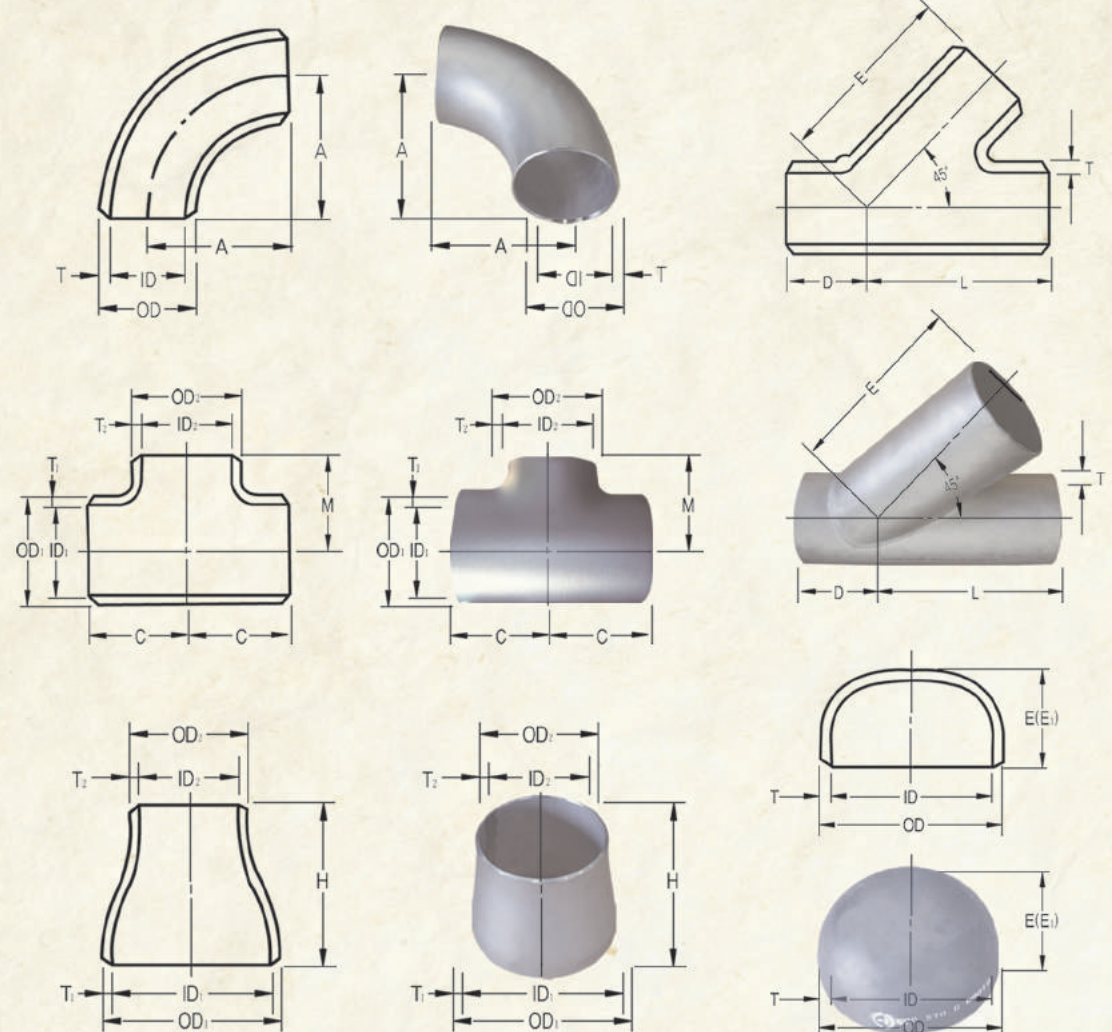
(Wrought Steel including various high alloy and Stainless Steel)

High Pressure Fittings and Flanges

(Carbon Steel, Alloy Steel and Stainless Steel)

Forged Steel Fittings

(Socket-welding type and threaded type)



MATERIAL

Applicable material for pipe fittings & seamless pipes

Delivered Plant	Ferrous Material							
	Carbon & Alloy Steel [A234]							
	WPB	WPL6	WP1	WP11	WP22	WP5	WP9	WP91
Oil & Gas	○	○		○	○	○		
Chemical & Petrochemical	○	○	○	○	○	○	○	
Shipbuilding & LNG Carrier	○	○		○	○	○	○	
Power Plant	○		○	○	○	○	○	○
Nuclear Power Plant	○			○	○			
Onshore & Offshore	○	○						

Delivered Plant	Ferrous Material							
	Stainless Steel							
	Austenitic Grade						Ferritic-Austenitic Grade	
	WP304 304L	WP316 316L	WP317 317L	WP321 321H	WP347 347H	S31254 (6Mo)	A815UNS S31803	A815 UNS S32760 UNS S32750
Oil & Gas	○	○		○	○	○	○	○
Chemical & Petrochemical	○	○	○	○	○	○	○	○
Shipbuilding & LNG Carrier	○	○	○			○	○	○
Power Plant	○	○	○	○	○	○	○	○
Nuclear Power Plant	○	○			○			
Onshore & Offshore		○				○	○	○

Delivered Plant	Non-ferrous Material						
	Special Alloy						
	Copper Alloy (70600)	Titanium (ASTM B337)	Aluminium (ASTM B361)	Nickel Alloy			Hastelloy B366- WPHC276
N04400 (MONEL)				N06625 (INCONEL)	N08825 (INCOLOY)		
Oil & Gas					○	○	
Chemical & Petrochemical	○	○		○	○		○
Shipbuilding & LNG Carrier	○	○	○		○	○	
Power Plant					○	○	
Nuclear Power Plant				○			
Onshore & Offshore		○			○		○



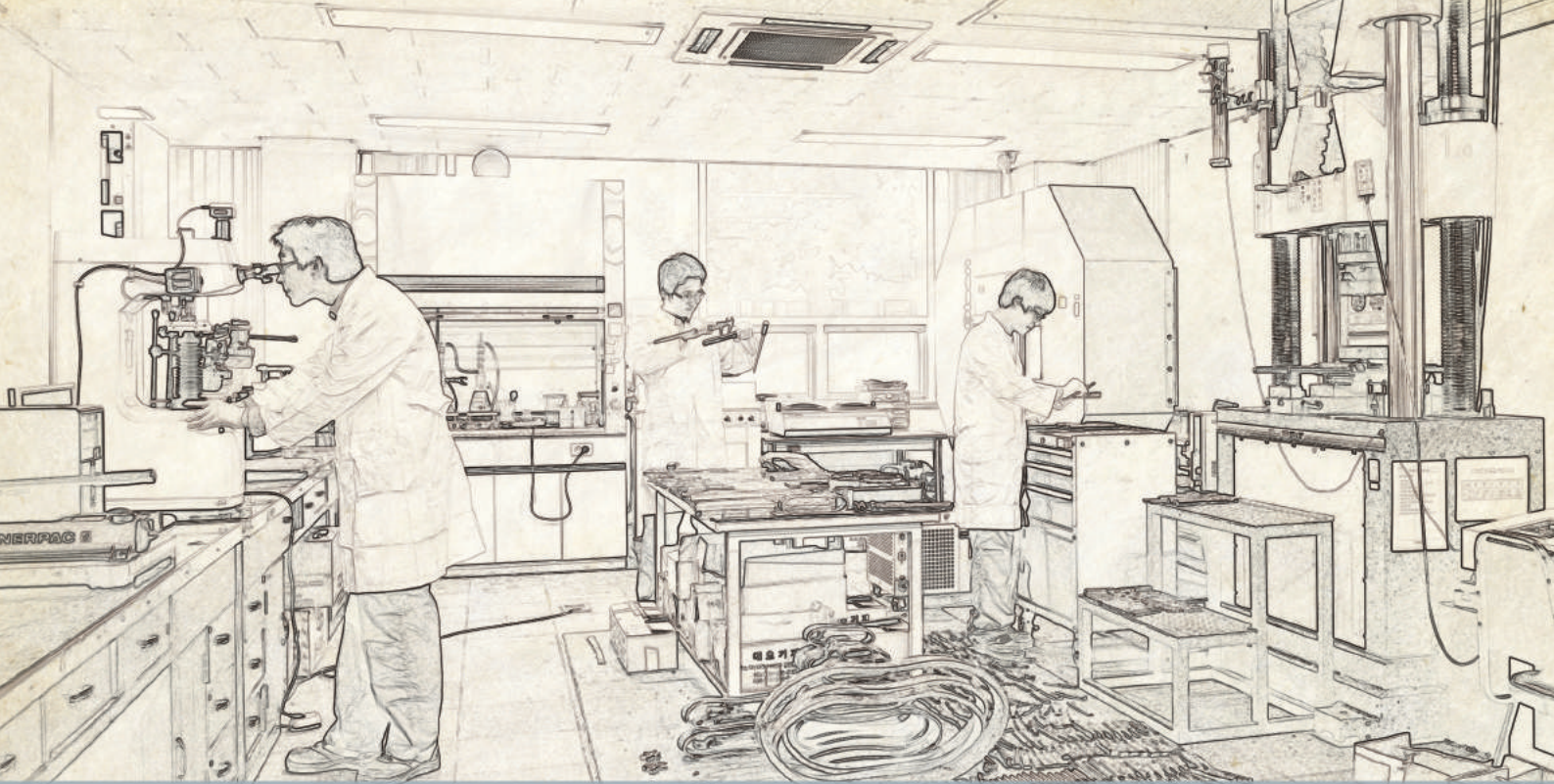
Statoil-TR2000 NORSOK M-650 Ed.4 Qualified and Accepted Manufacturers

TK's three large factories are fully equipped and accumulating knowhow and technologies.

TK can supply extensive product range from 1/2" to 158" for Elbows, Tees, Reducers, Stub-Ends and Caps using Seamless Pipes, Steel Plates and Forgings.



Item	Production Range (Max., Inch)		Capacity (yearly)
	Mold Type	Welded Type	Metric Tons
Elbow	96"	158"	110,000
Tee	84"	158"	37,000
Reducer	48"	158"	13,000
Cap	132"	158"	1,800
Flange	~ 80"		5,200
Forged Fittings	~ 4"		1,800
Outlets	~ 36"		950
Stub-Ends	~ 10" : Seamless Over 10" : Welded		250
Seamless Pipe	18" ~ 36"		5,000



Quality Management

TK will lead related industries through
Advanced technology development and aggressive investment.

Quality Management Representative

Quality Assurance

Quality Manual Control
Quality System Certification / Maintenance
Quality procedure Preparation / Control
Quality Assurance Audits
Supplier Evaluation / Audits
Quality Records Control
Education & Training
Quality Trend Analysis
Customer AVL Registration
Corrective Action & Preventive Action

Quality Control

Raw Material Receiving Inspection
In-process Inspection
Welding Inspection
Nondestructive Examination
Final Inspection
Customer Witness Inspection
Supplier Quality Control
Chemical Analysis & Mechanical Properties Test
Calibration Control
Nonconformance Control
Other Evaluation/Test

HSE

The company also actively supports the guiding principles of the international HSE related regulations.



TK keeps tracking and chasing all of the necessary Standards and regulations for HSE to secure its product and service quality. The company also actively supports the guiding principles of the international HSE related regulations.

In addition to compliance with regulatory requirements, the company pursues the following objectives :



FACILITIES

TK has lots of knowhow of manufacturing to produce big size of the Fittings with various kinds of raw materials

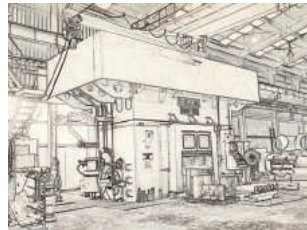
Facilities | Cold Forming



Tee Bulging Press 20,000 Ton



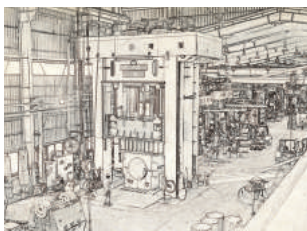
Tee Bulging Press 15,000 Ton



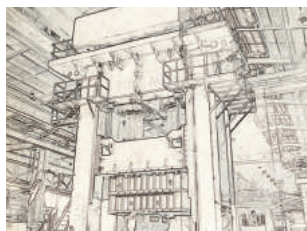
Tee Bulging Press 8,000 Ton



Tee Bulging Press 5,000 Ton



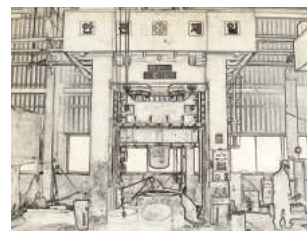
6,000 Ton Hydraulic Press



5,000 Ton Hydraulic Press

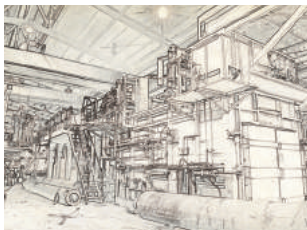


1,000 Ton Hydraulic Press

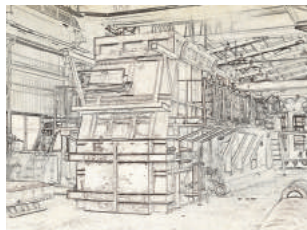


700 Ton Hydraulic Press

Facilities | Hot Forming



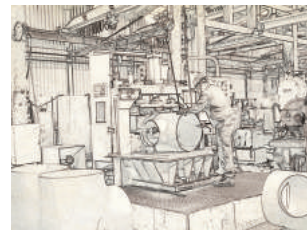
48" Hot Forming Elbow Machine



36" Hot Forming Elbow Machine



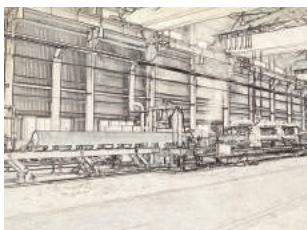
CNC Boring Machine



Automatic Chamfering

Facilities | Machining

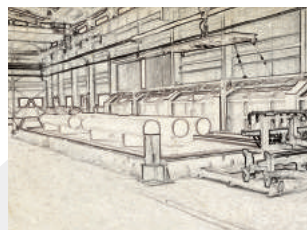
Facilities | Pipe Extrusion



Extrusion Machine for Seamless Pipe



Seamless Pipe Automatic Chamfering



Heat Treatment Furnace For Seamless Pipe

Facilities | Heat Treatment

Facilities | Laboratory



Quality Control

CERTIFICATES

ISO, PED, API etc.



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TK is the supplier of Butt Weld Pipe Fittings with world's largest production capacities and best technologies



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